

Customer: City of San Diego, California

Description of Business: Regulation of citizens and businesses within the City of San Diego, CA

Case Partner: NS Wash Systems

Situation/Problem: The City of San Diego trolley cars were cleaned using local water sources, which consisted of high levels of salts and calcium and magnesium carbonate. This type of washing would typically leave white spots and streaks on the trolley cars. Over time, the cars lost their bright and vibrant colors that had been worn away by the mineral buildup from the washing process.



Solution:

The trolleys used by the City of San Diego were able to see vast improvements after a 30,000 gallon per day FLEXEON GT-30000 Reverse Osmosis System was installed in partner with NS Wash Systems based in Inglewood, CA.

Reverse osmosis technology offers the benefits of producing spot free water while reducing chemical costs associated with vehicle washes such as prewash cleaners, degreasers, soaps and waxes.

Equipment Installed:

- FLEXEON GT-30000 Reverse Osmosis System
- AXEON 10 Cubic Foot Carbon Filter
- AXEON Chemical Injection System with AntiScalant

The Results/Customer Benefits:

The use of the AXEON's pre-treatment equipment and reverse osmosis system as the final rinse allowed for the elimination of the final drying stage which typically used high powered fans which consumed large amounts of electricity. Now, the spot free water does not leave any white spots or streaks on the windows or bodywork, thus enhancing the color and look of the trolley cars.

After the City of San Diego implemented the use of a reverse osmosis membrane system, they experienced a 33% savings in energy.

